



UK Clock Club

Autumn Symposium

Manchester

17th September

2024

MANCHESTER
1824

The University of Manchester



Michael Smith Building & Stopford Building
University of Manchester, Oxford Road



The University of Manchester



represented by



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10.00	Registration with tea and coffee and sponsor exhibits	<i>Michael Smith Building Café Lounge</i>
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11:00	Welcome and introduction with Rebecca Hughes and Bea Bano-Otalora <i>Michael Smith Building Lecture Theatre</i>
11:10-12:10	SESSION 1 - Chaired by Louise Hunter Session sponsored by Campden Instruments <i>Michael Smith Building Lecture Theatre</i>
11:10	Sophie Faulkner, University of Manchester. Light-Dark and Activity Rhythm Therapy (L-DART) to improve sleep in people with schizophrenia spectrum disorders: Intervention development, identification, differentiation and readiness to refer for sleep problems in practice, feasibility of delivery, acceptability and adherence.
11:25	Casey Diekman, New Jersey Institute of Technology. Modelling circadian regulation of cardiac dynamics and dosing time-of-day effects on the safety of cardiac antiarrhythmic drugs.
11:40	Jean-Michel Fustin, University of Manchester. Dietary methionine deficiency affects behavioural and molecular circadian rhythms.
11:55	Data Blitz – Chaired by Qian Huang (Adam Bradlaugh, Natalie Rogers, Chloe Roddis, Frannie Stephens, Jeffrey Kelu, Edgar Buhl, Haya Deeb, Jack Dorling, Stephanie Williams, George Dobson)
12.10	***Please make your way to Stopford Building***

12:15-13:35	Lunch with poster presentations and sponsor exhibits	<i>Stopford Building Café Lounge, 1st Floor</i>
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13:35-15:00	SESSION 2 - Chaired by Abigail Pienaar Session sponsored by Cairn Research <i>Stopford Building Lecture Theatre 3</i>
13:35	Pishan Chang, University of Bristol. Sex differences in mouse infradian rhythms.
13:50	Andrew Patton, MRC Laboratory of Molecular Biology. A multi-omic analysis of the suprachiasmatic nucleus reveals a critical role for astrocytic Annexin-A2 signalling in network-level circadian timekeeping.
14:05	Jake Ahern, University of Birmingham. Tick-tock of the TIDA clock: Exploring the bursting activity of neuroendocrine dopamine neurons across the day and in response to neuropeptides.
14:20	Emily Sample, University of Leicester. Characterising the role of Cryptochrome as a novel modulator of neuronal transmission at the neuromuscular junction of Drosophila Larvae.
14:35	Ruby Chrisp, University of Manchester. The circadian secretome: bidirectional modulation between the secretory pathway and the circadian clock.
14:50	Lorena Rosen, University of Leicester. Introduction from BioClocks UK coordinator.

15:00-15:40	Tea, coffee with poster presentations and sponsor exhibits	<i>Stopford Building Café Lounge, 1st Floor</i>
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15:40-16:40	SESSION 3 - Chaired by Priya Crosby <i>Stopford Building Lecture Theatre 3</i>
15:40	Mark Naven, University of Bristol. Live imaging the wound inflammatory response and the consequences of disrupted circadian clocks.
15:55	Drew Oliphant & Chee Sia, Aberystwyth University & MRC Laboratory of Molecular Biology. Cellular expression of circadian clock genes in the brains of the intertidal crustaceans, <i>Eurydice pulchra</i> and <i>Parhyale hawaiiensis</i> .
16:10	Deirdre Lynch, John Innes Centre. The effect of seed production temperature on the timing of flowering.
16:25	Maria Luísa Jabbur, John Innes Centre. Bacteria can anticipate the seasons: photoperiodism in cyanobacteria.

16:40	Audience Voting (via QR code)
16:55-17:55	KEYNOTE - Chaired by Michael Hastings <i>Stopford Building Lecture Theatre 3</i> Prof Andrew Loudon, University of Manchester A lighthearted zoological foray into the meaning of life
17:55-18:00	Prize Giving and Closing remarks with Rob Lucas

18:00-20:00	Drinks reception <i>Stopford Building Café Lounge, 1st Floor</i>
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Posters		
1	Adam Bradlaugh University of Manchester	Insights into the mechanism of non-canonical magnetoreception mediated by Cryptochrome
2	Natalie Rogers University of Manchester	Regulation of the intervertebral disc molecular clock and its role in matrix homeostasis.
3	Chloe Roddis University of Manchester	Investigating the impact of light exposure on mood in everyday life: A naturalistic study.
4	Frannie Stephens University of Leicester	Even a broken Clock is right in the embryo: The role of clock genes in development.
5	Jeffrey Kelu King's College London	Circadian regulation of protein turnover by muscle peripheral clock.
6	Edgar Buhl University of Bristol	From flies to mice: The membrane clock across species.
7	Haya Deeb University of Edinburgh	Building a Culture of Open Data in Bioscience: Honours Students Can Lead the Way.
8	Jack Dorling John Innes Centre	Circadian regulation of developmental patterning in expanding colonies of <i>Bacillus subtilis</i> .
9	Steph Williams John Innes Centre	Seasonal regulation of the plant circadian clock and its output pathways.
10	George Dobson John Innes Centre	A novel experimental platform for investigating circadian and seasonal control of development under simulated natural conditions.
11	Jessica Treeby University of Manchester	Hepatic gene expression in response to fasting is sex-dependent.
12	Sayantana Sur University of Glasgow	Molecular regulation of seasonal changes in adiposity in Japanese quails (<i>Coturnix japonica</i>).
13	Asshen Dedigama University of Manchester	Amygdala as a retino-recipient target for assessing light's effects on mood.
14	Jia wen Lian University of Manchester	Cryptochrome 2 regulates cell metastasis in breast cancer.
15	Sanjana Kumaraguru University of Manchester	Establishment of circadian rhythm during mouse cortical development.
16	Sophie Smith University of Bristol	Modelling the role of L-type voltage gated calcium channel signalling (CACNA1C) in epilepsy and Alzheimer's disease.
17	Drew Oliphant & Chee Sia Aberystwyth University & MRC LMB	Cellular expression of circadian clock genes in the brains of the intertidal crustaceans, <i>Eurydice pulchra</i> and <i>Parhyale hawaiensis</i> .
18	Irem Denizli University of Glasgow	Uncovering Photoperiod-driven Polyphenism in Siberian Hamsters.
19	Aline Yochikawa John Innes Centre	Harnessing the circadian clock reduces food waste.
20	Adam Liddle University of Glasgow	Contrasting transcriptomic seasonality across reproductive states in birds and mammals using Oxford Nanopore RNA-sequencing of the hippocampus and amygdala/nucleus taeniae
21	Brodie Parks Dalhousie University	Seasonal regulation of neurogenesis in the vocal control system of wild black-capped chickadees (<i>Poecile atricapillus</i>)
22	Lorena Rosen University of Leicester	BioClocks

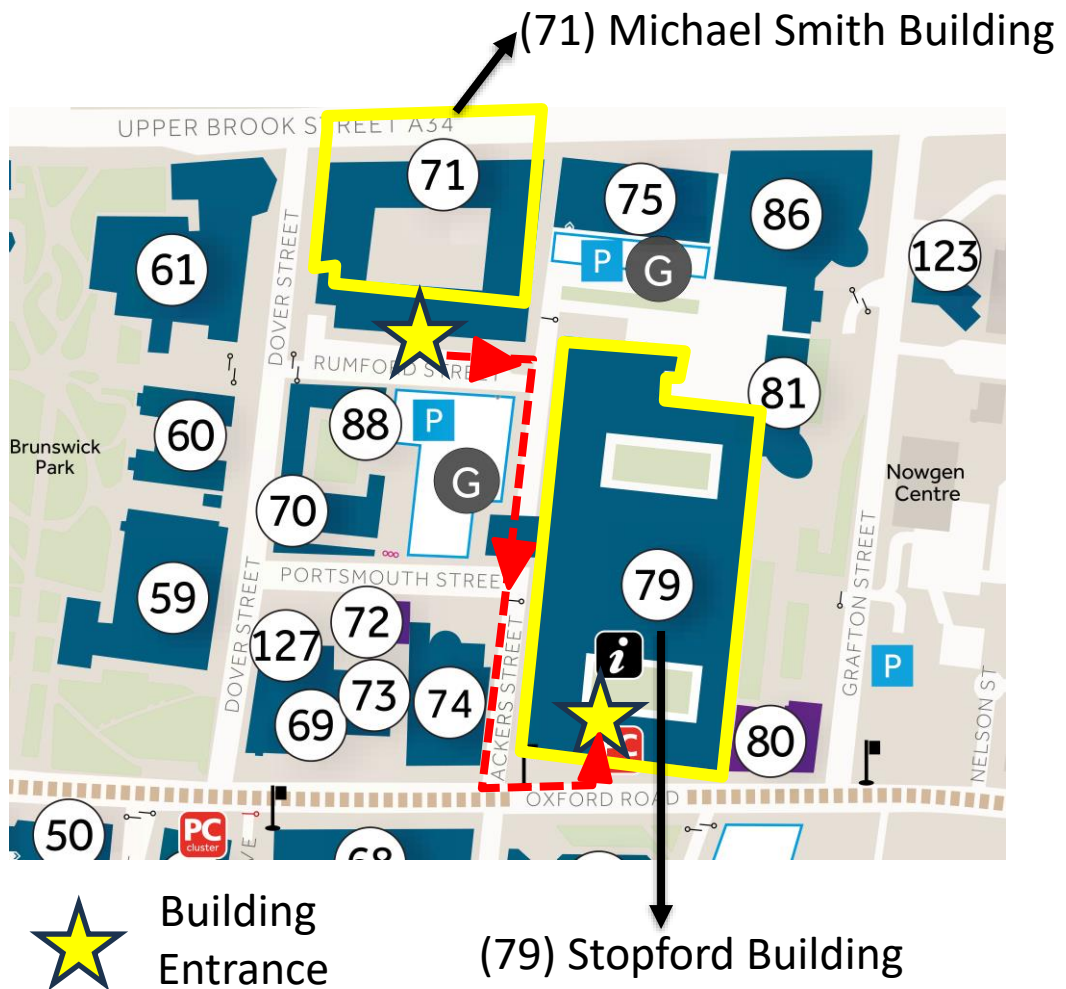
Building Locations

(71) Michael Smith Building (Dover Street)

Manchester

(79) Stopford Building (Oxford Road)

M13 9PT



10:00-12:10 Coffee and Morning Session
Smith Building (Lounge and Lecture Theatre)

12:10 -12:15 Please make your way to Stopford Building

12:15- 20:00 Lunch Afternoon Sessions and Drinks reception
Stopford Building (1st Floor, Café Lounge and Lecture Theater 3)